

Caesar Fire Support System



Transformational Artillery for the U.S. Army

Picatinny Artillery Symposium



Purpose



- Provide Performance, Procurement, and Cost Information
- Solicit an Invitation to Demonstrate Caesar at US Army installation(s)
- Propose Mobile Cannon integration concept for Army Forces

Performance



- Max Effective Range: 42km
- Fires 52 and 39 cal. Ammunition
- Reaction Time < 3 min
travel-shoot (6 rds)-travel
- Rate of Fire: 3 rounds per minute
- Crew Requirement: 3-5 men
- Integrated Fire Control System

Mobility & Logistics



- Ground Speed: 60mph (road); 30mph (off)
- Transportable:
 - C-130 (1 Caesar)
 - C-17 (4 Caesars)*
 - CH53E Optimal Conditions (15.8T)*
- Rapid Ship to Shore (4 Caesars per LCAC)*
- Integrated Maintenance System
- Inflation/Deflation Tire System (all terrain)

*not yet demonstrated

Advantages

- Self Contained; Ready to operate system
- Increased Range Performance
- Interoperability with NATO artillery
 - 155mm 52 caliber
- Greater Responsiveness
- Greater Tactical Ground Mobility
- Improved Direct Support capabilities
- Integrated into any C4I System

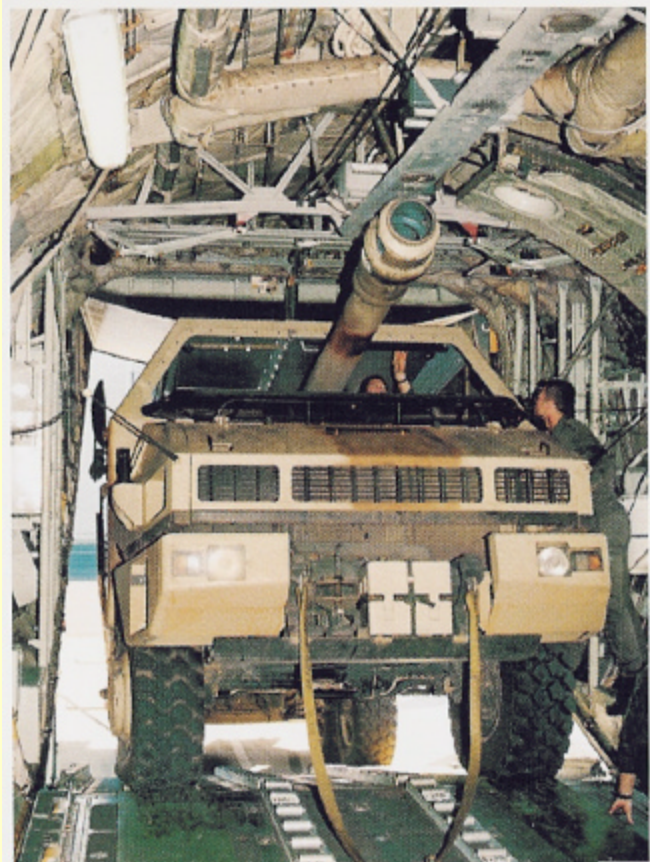


Concept Integration Issues

- Rapid Movement To Objective Area
- Capitalizes on advantages of automation, mobility, integrated system package
 - Rapid displacement
 - Less vulnerable to counter-battery fires
- Not a substitute; an adaptation for appropriate conditions



Demonstration



- Caesar arrived in the U.S. in February 2002
- Participate in AUSA Winter
- Demonstration to XVIII Airborne Corps in March
- Demonstration to Marine Field Artillery Assn Quantico in March
- Returns to US Sept 2002
 - French Army will provide support

Notional Organization

(Artillery Support Deployments)

- Army IBCT
 - One Battalion; (12) Mobile Howitzers, (3) Batteries
- Marine Artillery Regiment
 - One Battalion; (18) Mobile Howitzers, (3) Batteries
- Maintenance Float



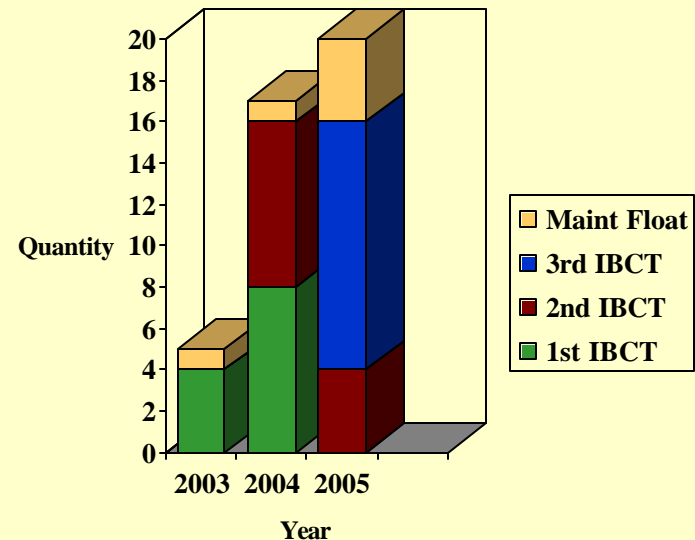
Procurement Profiles



- Production line is running now!
- Delivering first (5) systems to French Army by end of this year
- Delivery to US Army*:
5 units **FY 2003**
42 units by end **FY 2005**

* Current configuration

Notional Delivery Profile

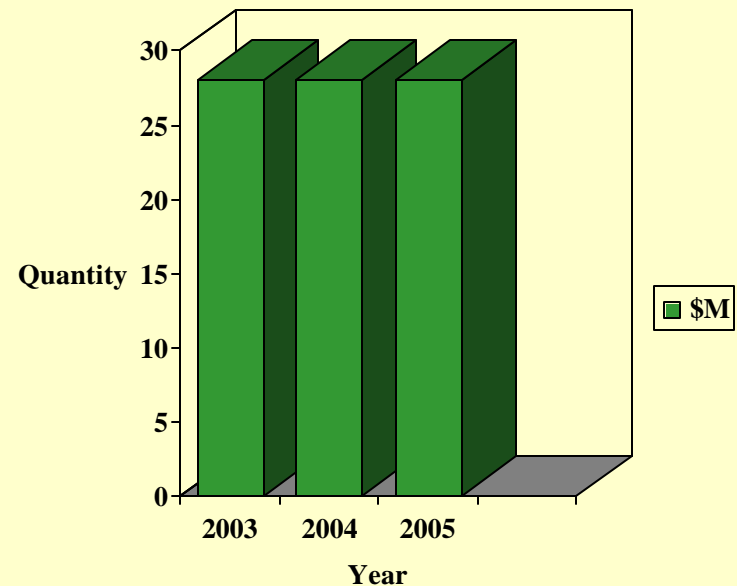


Cost



- (42) Systems
- 3 Year Delivery Period
- \$84 Million
- Average Unit Cost: \$2 Million

Notional Cost Profile



Acquisition Issues



- Mitigates Risk of current Programs
 - R&D Programs (LW155, HIMARs)
- Effective and Suitable in current production configuration
 - Future deliveries can be:
Americanized/modified/customized
- Safety Certification complete; NATO standards



Conclusion



- Caesar is available for immediate Procurement
- Giat will demonstrate with no obligations
- French Army has paid for R&D and initial production costs
- Caesar is a low risk, marked enhancement in US Army's fire support capabilities

Caesar is -



Transformational Artillery for the U.S. Army